



SEQUENCE LISTING

#5

<110> Kimm, Anthony

<120> Hypoallergenic Transgenic Soybeans

<130> BB1432 US NA

<140> CURRENT APPLICATION NUMBER: US/09/805,694

<141> CURRENT FILING DATE: 2001-03-14

<150> 60/189,823

<151> 2000-03-16

<160> 16

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<212> DNA

<213> chimeric construct

<400> 1

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<400> 4

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<210> 7
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<212> DNA
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<220>
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<210> 8
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Asp Leu Ser Ile Cys Leu Asn Ile Leu Gly Gly Ser Leu Gly Thr Val
50 55 60

Asp Asp Cys Cys Ala Leu Ile Gly Gly Leu Gly Asp Ile Glu Ala Ile
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Val Cys Leu Cys Ile Gln Leu Arg Ala Leu Gly Ile Leu Asn Leu Asn
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 <212> DNA
 <213> Glycine max

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 35 40 45

Ala Ile Met Asn Asp Phe Asn Glu Pro Gly Ser Leu Ala Pro Thr Gly
 50 55 60

Leu Tyr Leu Gly Gly Thr Lys Tyr Met Val Ile Gln Gly Glu Pro Gly
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Ala Val Ile Arg Gly Lys Lys Gly Pro Gly Gly Val Thr Val Lys Lys
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Thr Gly Ala Ala Leu Ile Ile Gly Ile Tyr Asp Glu Pro Met Thr Pro
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Leu Tyr Leu Gly Gly Thr Lys Tyr Met Val Ile Gln Gly Glu Pro Gly
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Met Ala Lys Leu Val Phe Ser Leu Cys Phe Leu Leu Phe Ser Gly Cys
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```

```

Cys Phe Ala Phe Ser Ser Arg Glu Gln Pro Gln Gln Asn Glu Cys Gln
          20                      25                      30

```

```

Ile Gln Lys Leu Asn Ala Leu Lys Pro Gly Asn Arg Ile Glu Ser Glu
      35                      40                      45

```

```

Gly Gly Leu Ile Glu Thr Trp Asn Pro Asn Asn Lys Pro Phe Gln Cys
  50                      55                      60

```

```

Ala Gly Val Ala Leu Ser Arg Cys Thr Leu Asn Arg Asn Ala Leu Arg
  65                      70                      75                      80

```

```

Arg Pro Ser Tyr Thr Asn Gly Pro Gln Glu Ile Tyr Ile Gln Gln Gly
          85                      90                      95

```

```

Lys Gly Ile Phe Gly Met Ile Tyr Pro Gly Cys Ser Ser Thr Phe Glu
      100                      105                      110

```

```

Glu Pro Gln Gln Pro Gln Gln Arg Gly Gln Ser Ser Arg Pro Gln Asp
      115                      120                      125

```

```

Arg His Gln Lys Ile Tyr Asn Ser Arg Glu Gly Asp Leu Ile Ala Val
      130                      135                      140

```

```

Pro Thr Gly Val Ala Trp Trp Met Tyr Asn Asn Glu Asp Thr Pro Val
      145                      150                      155                      160

```

```

Val Ala Val Ser Ile Ile Asp Thr Asn Ser Leu Glu Asn Gln Leu Asp
          165                      170                      175

```

```

Gln Met Pro Arg Arg Phe Tyr Leu Ala Gly Asn Gln Glu Gln Glu Phe
      180                      185                      190

```

Leu	Lys	Tyr	Gln	Gln	Glu	Gln	Gly	Gly	His	Gln	Ser	Gln	Lys	Gly	Lys	195	200	205
His	Gln	Gln	Glu	Glu	Glu	Asn	Glu	Gly	Gly	Ser	Ile	Leu	Ser	Gly	Phe	210	215	220
Thr	Leu	Glu	Phe	Leu	Glu	His	Ala	Phe	Ser	Val	Asp	Lys	Gln	Ile	Ala	225	230	235
Lys	Asn	Leu	Gln	Gly	Glu	Asn	Glu	Gly	Glu	Asp	Lys	Gly	Ala	Ile	Val	245	250	255
Thr	Val	Lys	Gly	Gly	Leu	Ser	Val	Ile	Lys	Pro	Pro	Thr	Asp	Glu	Gln	260	265	270
Gln	Gln	Arg	Pro	Gln	Glu	Glu	Glu	Glu	Glu	Glu	Asp	Glu	Lys	Pro		275	280	285
Gln	Cys	Lys	Gly	Lys	Asp	Lys	His	Cys	Gln	Arg	Pro	Arg	Gly	Ser	Gln	290	295	300
Ser	Lys	Ser	Arg	Arg	Asn	Gly	Ile	Asp	Glu	Thr	Ile	Cys	Thr	Met	Arg	305	310	315
Leu	Arg	His	Asn	Ile	Gly	Gln	Thr	Ser	Ser	Pro	Asp	Ile	Tyr	Asn	Pro	325	330	335
Gln	Ala	Gly	Ser	Val	Thr	Thr	Ala	Thr	Ser	Leu	Asp	Phe	Pro	Ala	Leu	340	345	350
Ser	Trp	Leu	Arg	Leu	Ser	Ala	Gly	Phe	Gly	Ser	Leu	Arg	Lys	Asn	Ala	355	360	365
Met	Phe	Val	Pro	His	Tyr	Asn	Leu	Asn	Ala	Asn	Ser	Ile	Ile	Tyr	Ala	370	375	380
Leu	Asn	Gly	Arg	Ala	Leu	Ile	Gln	Val	Val	Asn	Cys	Asn	Gly	Glu	Arg	385	390	395
Val	Phe	Asp	Gly	Glu	Leu	Gln	Glu	Gly	Arg	Val	Leu	Ile	Val	Pro	Gln	405	410	415
Asn	Phe	Val	Val	Ala	Ala	Arg	Ser	Gln	Ser	Asp	Asn	Phe	Glu	Tyr	Val	420	425	430
Ser	Phe	Lys	Thr	Asn	Asp	Thr	Pro	Met	Ile	Gly	Thr	Leu	Ala	Gly	Ala	435	440	445
Asn	Ser	Leu	Leu	Asn	Ala	Leu	Pro	Glu	Glu	Val	Ile	Gln	His	Thr	Phe	450	455	460
Asn	Leu	Lys	Ser	Gln	Gln	Ala	Arg	Gln	Ile	Lys	Asn	Asn	Asn	Pro	Phe	465	470	475
Lys	Phe	Leu	Val	Pro	Pro	Gln	Glu	Ser	Gln	Lys	Arg	Ala	Val	Ala		485	490	495